

104090-222860

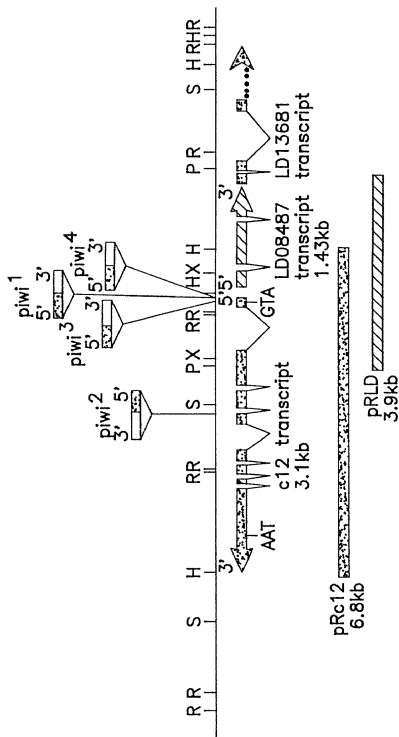


FIG. 1

104090*2242663

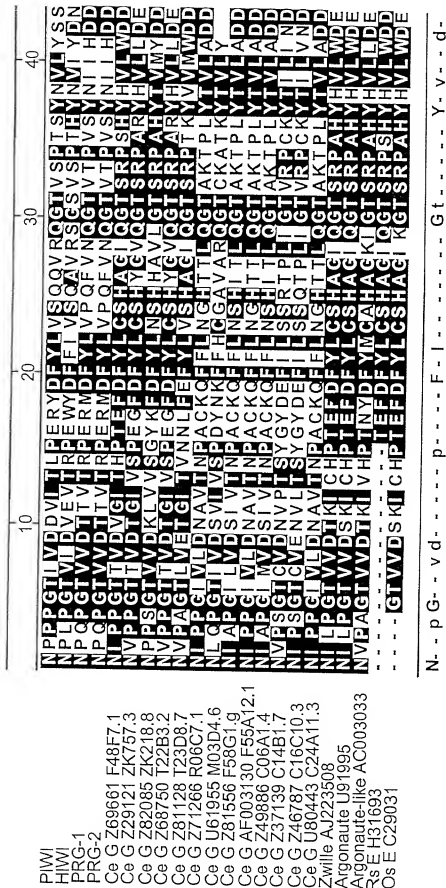


FIG. 2



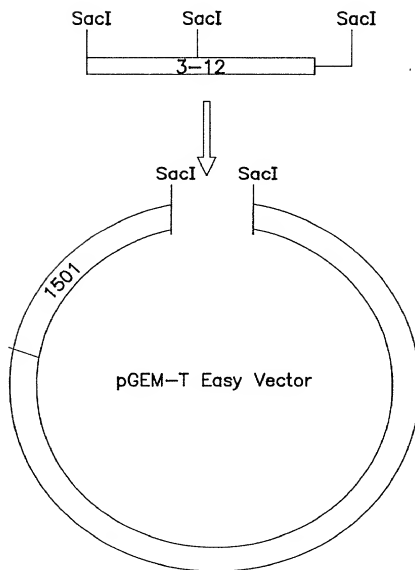


FIG. 4

104090-2642860

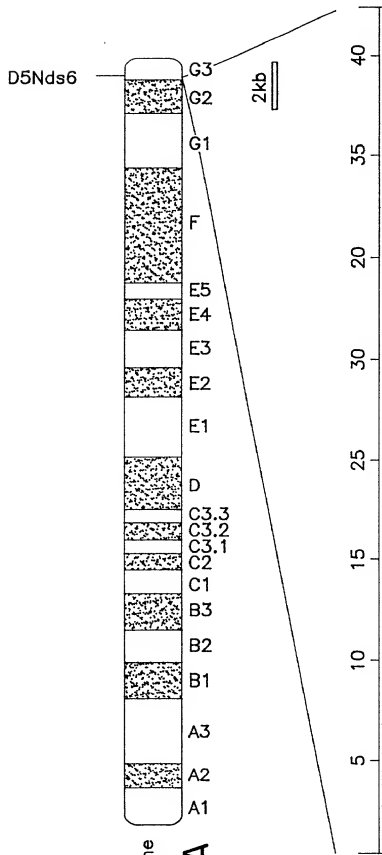


FIG. 5A

miwi
genomic
locus

FIG. 5B

miwi
cDNA
(partial)

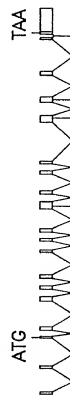
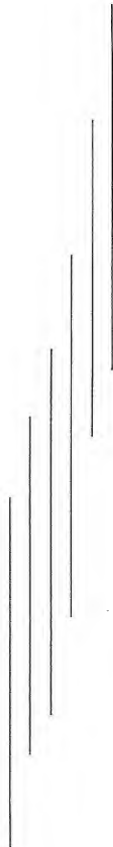


FIG. 5C

genomic
clones

FIG. 5D



[illegible]

FIG. 6A

104090-2252863

PIWI VEYR T K V M I R E D H N Q P I L I S K - M D K A L K T N A S E L V V L T I P E L C V T G L N A E M R S N F Q L M R A M S Y T R M 393
 PRG-1 K E Y F R Q Y G I E T V D D Q P I I S E - G K P Q P G - E P P Q V S V I V P E L C S P T G L T D E M R K D F K M M K E I A K H T R M 352
 PRG-2 K E Y F R Q Y D I D T D E Q F I I S E - G K P Q P G - E P P Q V S V I V P E L C S P T G L T D E M R K D F K M M K E I A K H T R M 250
 MIWI K Y N Q E I T D L K Q P V L V S Q P K R R R G P G G T L P G P A M I P E L C V L T G L T D M R N D F N V A K D L A V H T R L 430
 LEYR K Y N Q E I T D L K Q P V L V S Q P K R R R G P G G T L P G P A M I P E L C V L T G L T D M R N D F N V A K D L A V H T R L 413
 LEYR K Y N Q E I T D L K Q P V L V S Q P K R R R G P G G T L P G P A M I P E L C V L T G L T D M R N D F N V A K D L A V H T R L 412
 PIWI N P K Q R - - - T D L R A F N H R I Q N T P E S V K V L - - - R D W M M E M D K M V T E V Q G R I I G Q O N I V F H M G K V P - - - A G E 454
 PRG-1 S P O R G - - - L V E S R K L I V D L S K N E - - - K V M E C K Y M G I E S Q O D L A N Q A R V L S E P L - - - O G K T Y - - - E G K 411
 PRG-2 S P O R G - - - L D E T R K L I T L S O N Q - - - T M E C Q Y M G I E S Q O D L A N Q A R V L S E P L - - - O G K R O Y - - - E G K 309
 MIWI T P E Q R R E V G R I I D Y I H K D N V Q - - - R E L - - - R D W G L S P D S N L L S S G R I L Q E K I - - - M G G K T F D Y N P P Q 475
 MIWI T P E Q R R E V G R I I D Y I H K D N V Q - - - R E L - - - R D W G L S P D S N L L S S G R I L Q E K I - - - M G G K T F D Y N P P Q 474
 PIWI N A D G R H F R D G R M L T P S D G G S H E L - - - L D R M A V I A P Q R D S H E L - - - R T L D S L Y R A A S G M G L R I R S P O E F I Y D D R T G 522
 PRG-1 Q A E W A R G V K E C G I Y R G S N - M T N N V I G P G S G N S G L L S Q K F F E A R R L K I L Q V L G E P M C V P I R G T S P N 479
 PRG-2 Q A E W A R G V K E C G I Y R G S N - M T N N V I G P G S G N S G L L A Q K F I A E A N L G R T L Q V L G E P M C V K I N G T S P N 377
 MIWI F A D W S K E T R G A P L I S V K P - - - L D N W L I Y T R R Y E A A - N S L I Q N F K V T P A N G I Q M K K A H M I E V - D D R T E 540
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 PIWI T V R A M D D C M A S - - - D P K L I L C L V P N D A E R V S S I K R R G Y V D R A V P T Q - V V T L K T - - - - - - - T K N L M 580
 PRG-1 D Y L E G V K G A I K V D G E D H M L V M A D D N K T R Y D S L K E L C V E C I P N Q C V L R T L A G K S K D G E M N L G 549
 PRG-2 D Y L E G L K A A I S V D G E H M L V M A D D N K T R Y D S L K E L C V E C I P N Q C V L R T L A G K S K D G E M N L G 447
 MIWI A V L R A L Q O K V T S - - - D I Q I V V C L L S E N R K K V D A I K K Y L C T D C T P S C V A R T L - - - - - - - G R Q Q T V M 599
 MIWI A V L R A L Q O K V T S - - - D I Q I V V C L L S E N R K K V D A I K K Y L C T D C T P S C V A R T L - - - - - - - G R Q Q T V M 598
 PIWI S I A T K I A L Q U C K L G Y T A M M I E L P S G L M T I G F I A K S T R D R K R Y A G A - - - L T A S M D - - - - - - - L - - - 636
 PRG-1 S I V K R I V L Q M C K T G G A L W K V N I P K N T M I V G Y D L Y H D S T L K G T V G A C V S T T S N D - - - - - - - F T Q 608
 PRG-2 S I V K R I V L Q M C K T G G A L W K V N I P K N T M I V G Y D L Y H D S T L K G T V G A C V S T T S N D - - - - - - - F T Q 506
 MIWI A I A T K I A L Q M A C K M G G E L W R V D I P L K L V M I V G I D C Y H M T A G R S I A G - - - F V A S I N E G N T R W F S R C V B - - - 666
 MIWI A I A T K I A L Q M A C K M G G E L W R V D I P L K L V M I V G I D C Y H M T A G R S I A G - - - F V A S I N E G N T R W F S R C V B - - - 665

FIG. 6B

PRGM-I	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	699
PRGM-I	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	700
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	701
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	702
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	703
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	704
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	705
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	706
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	707
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	708
PRGM-2	Y	S	Q	T	R	H	E	N	P	---	Q	O	N	S	T	Y	E	S	T	V	T	E	C	S	A	F	D	V	A	N	T	L	M	P	A	I	A	K	A	R	K	Y	---	O	H	E	N	R	K	L	P	S	I	V	F	Y	R	O	G	V	S	G	E	S	Q	L	F	E	709
PRGM-2	Y	S																																																																			

FIG. 6C

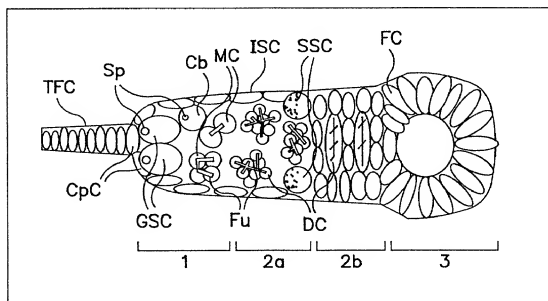


FIG. 7

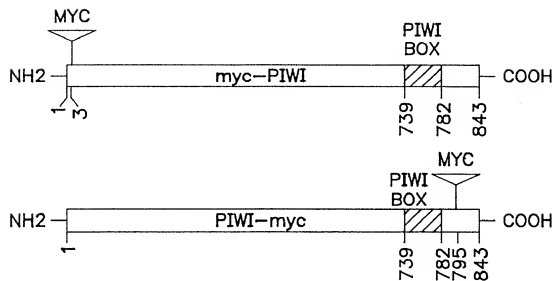


FIG. 8

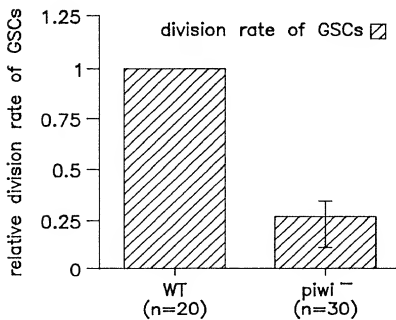


FIG. 9

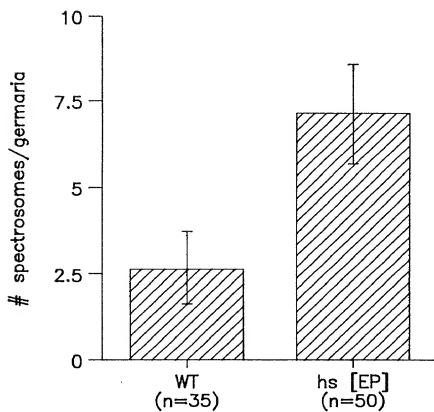


FIG. 10

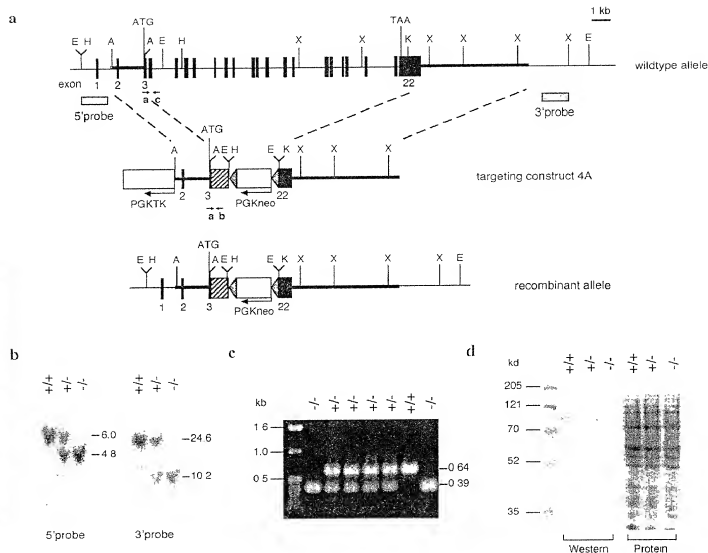


Figure 11

Figure 12

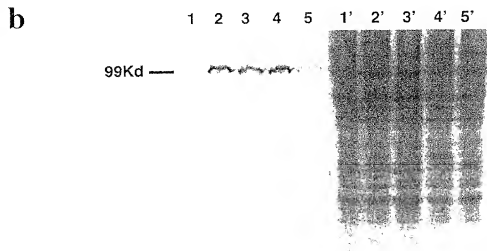
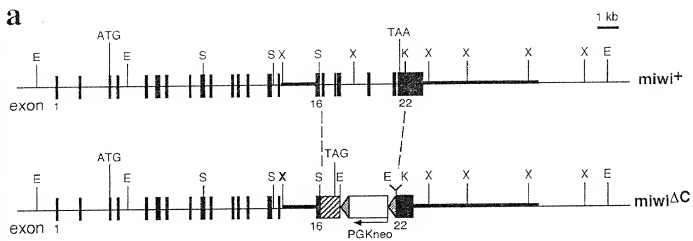


Figure 13

